

Fig. 1 PRIOR ART

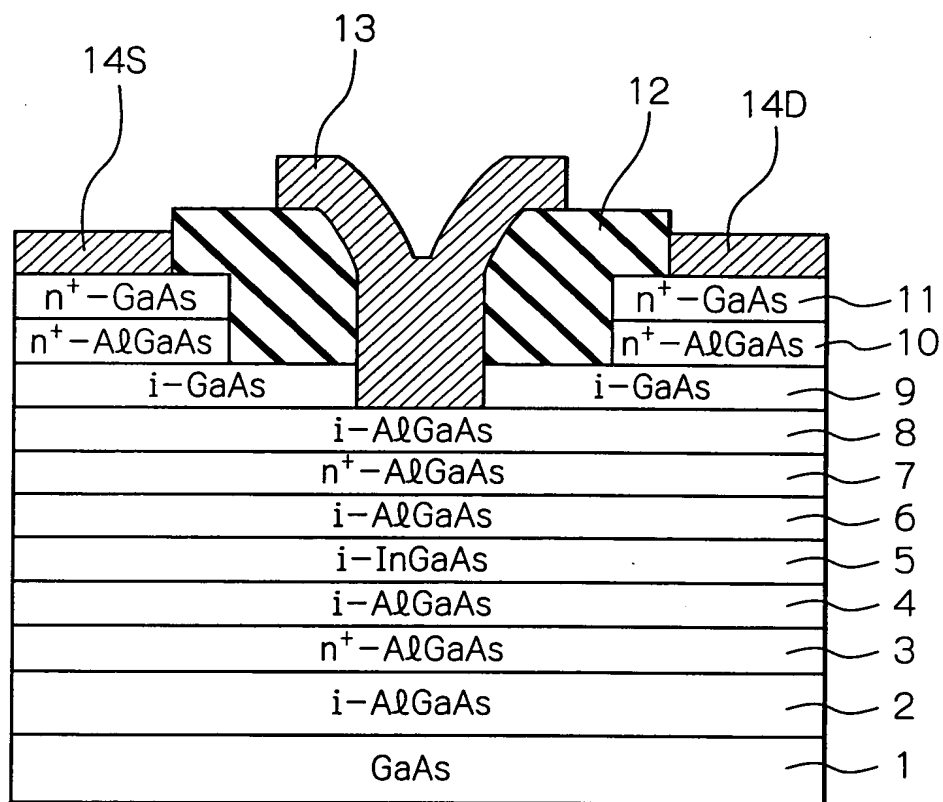


Fig. 2 PRIOR ART

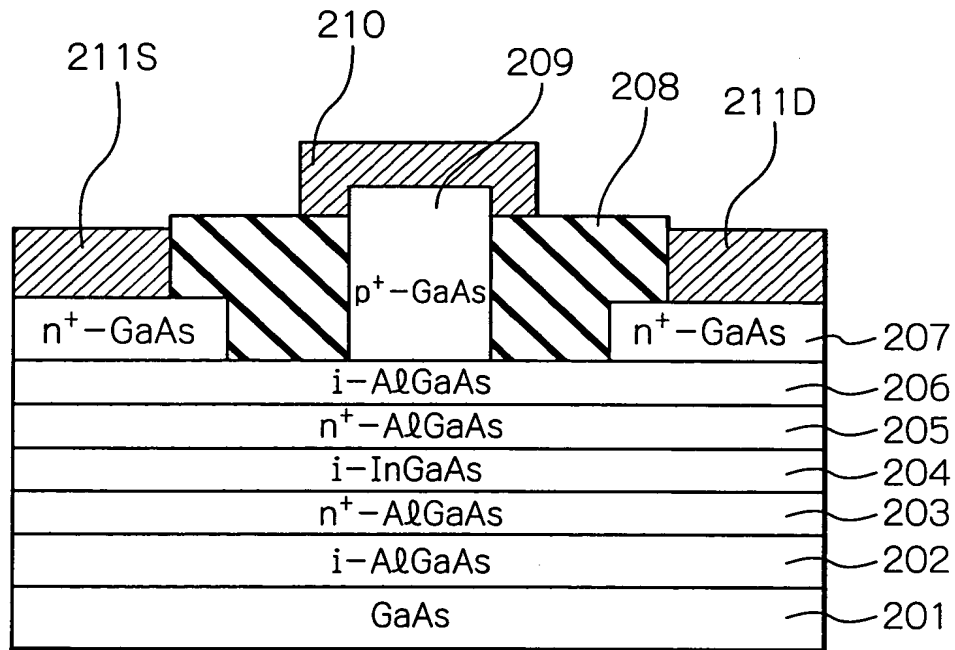


Fig. 3 PRIOR ART

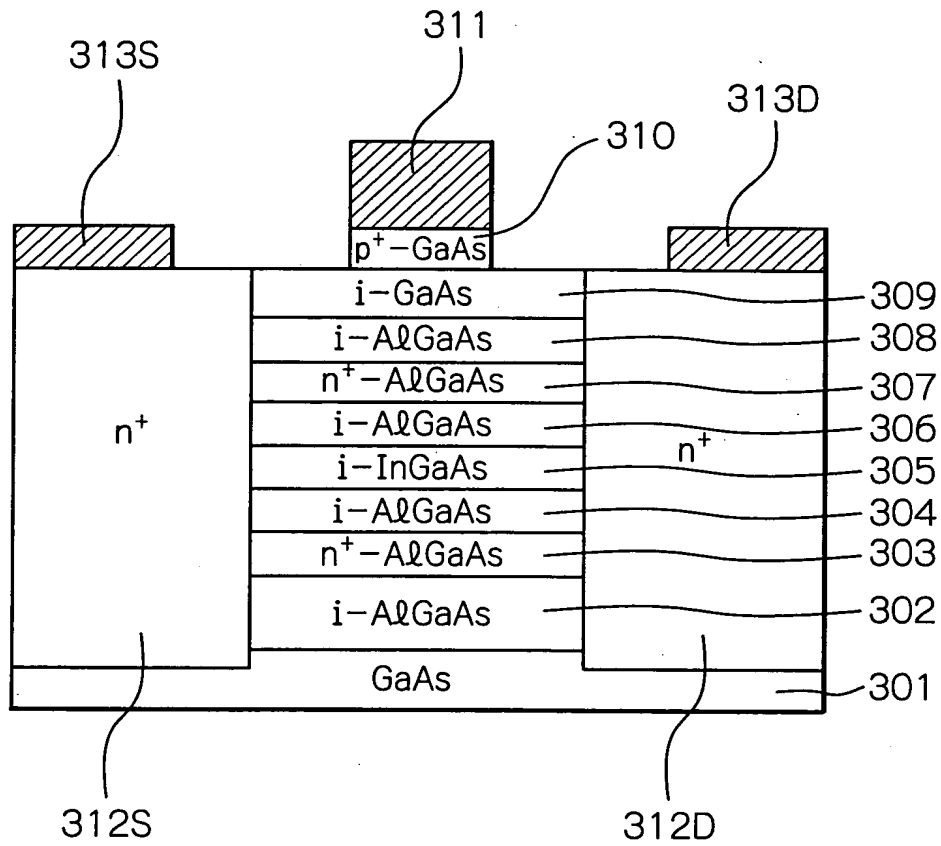


Fig. 4

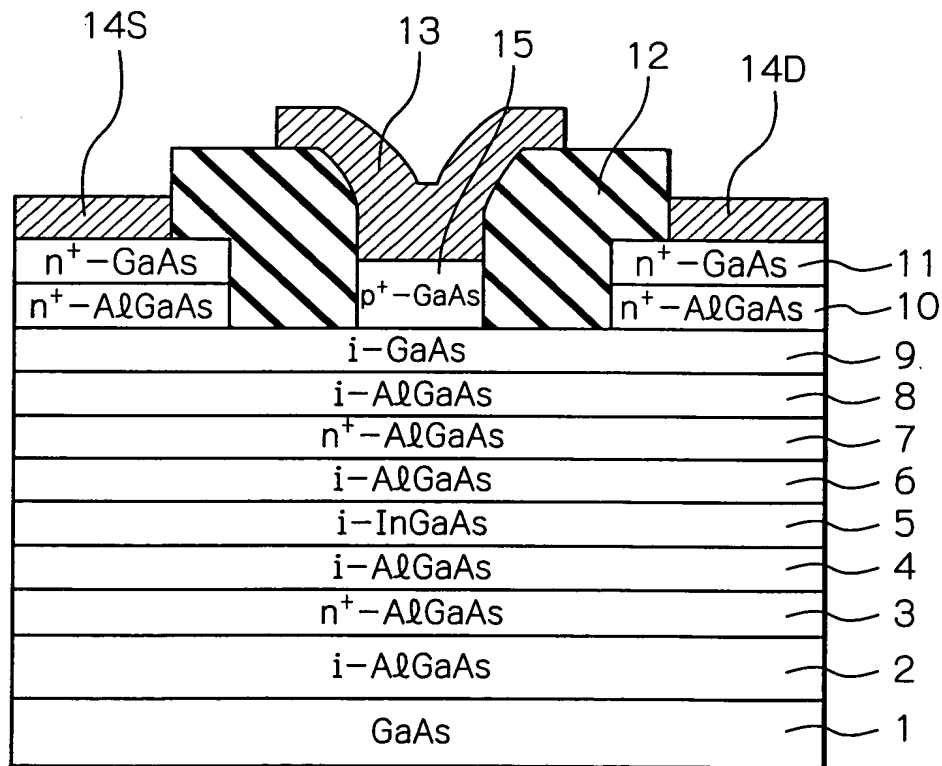


Fig. 5A

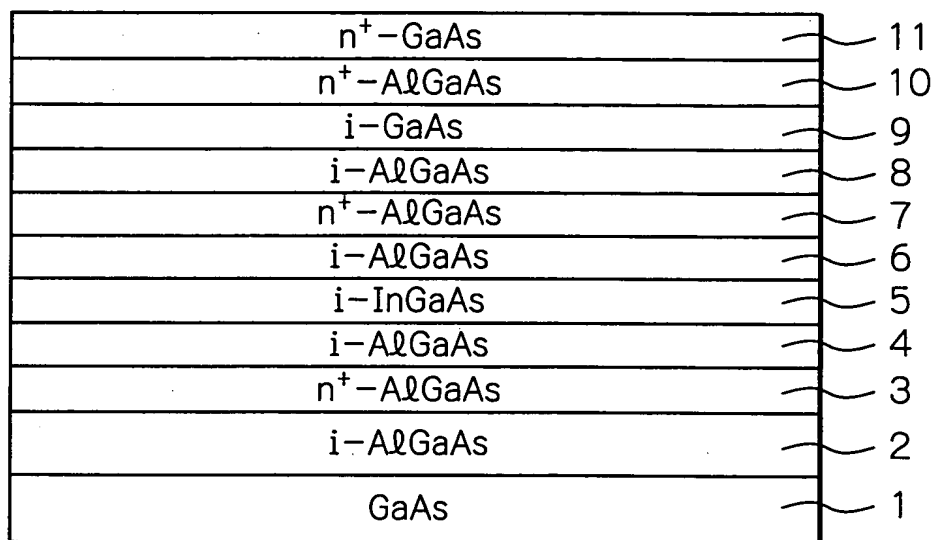


Fig. 5B

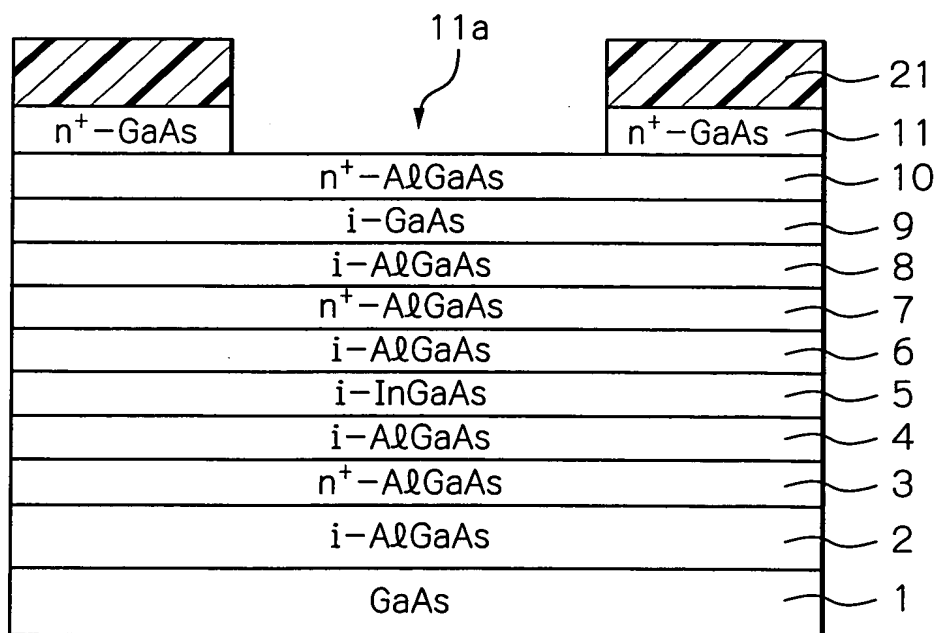


Fig. 5C

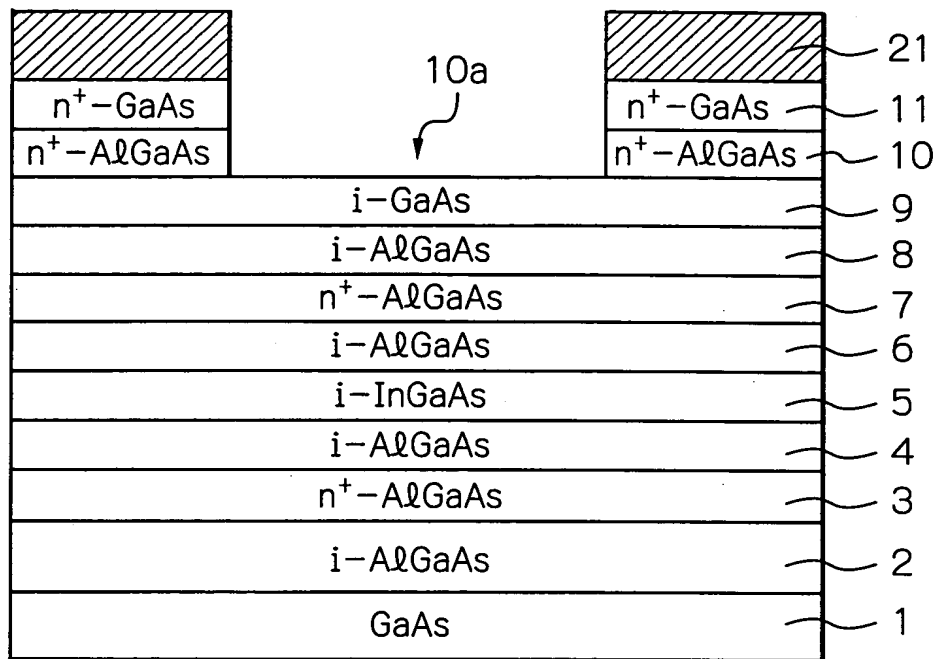
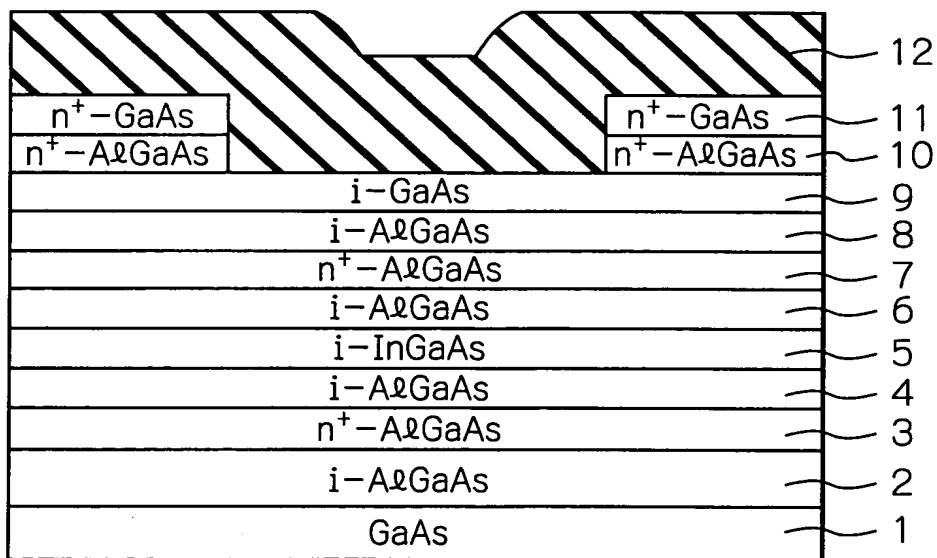


Fig. 5D



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Fig. 5E

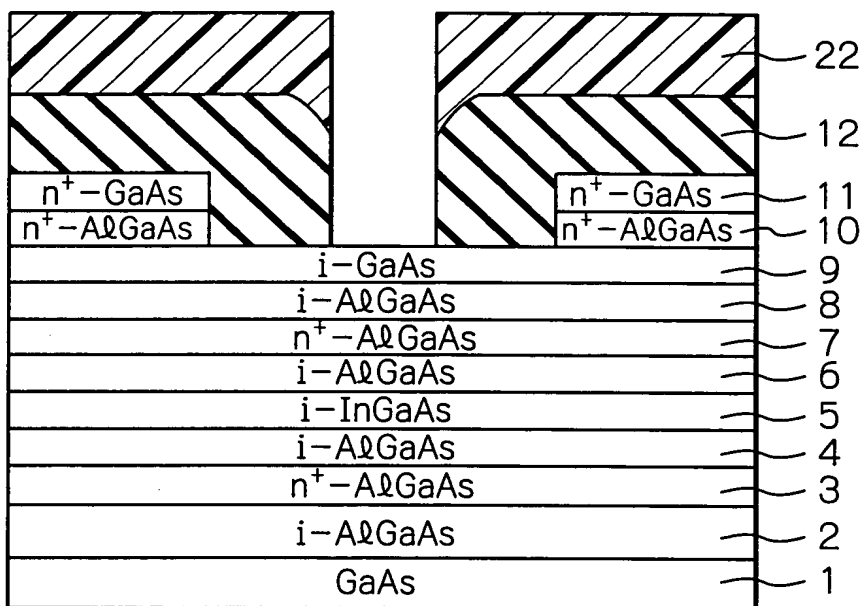
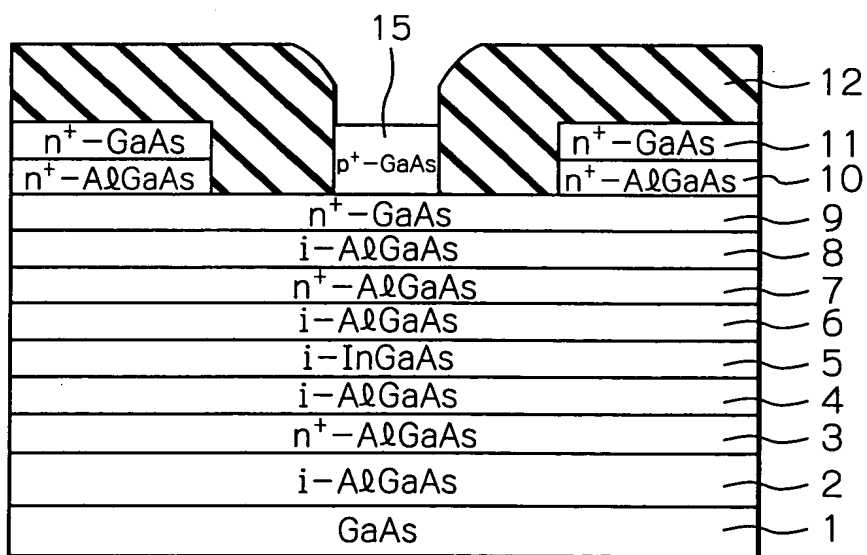


Fig. 5F



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Fig. 5G

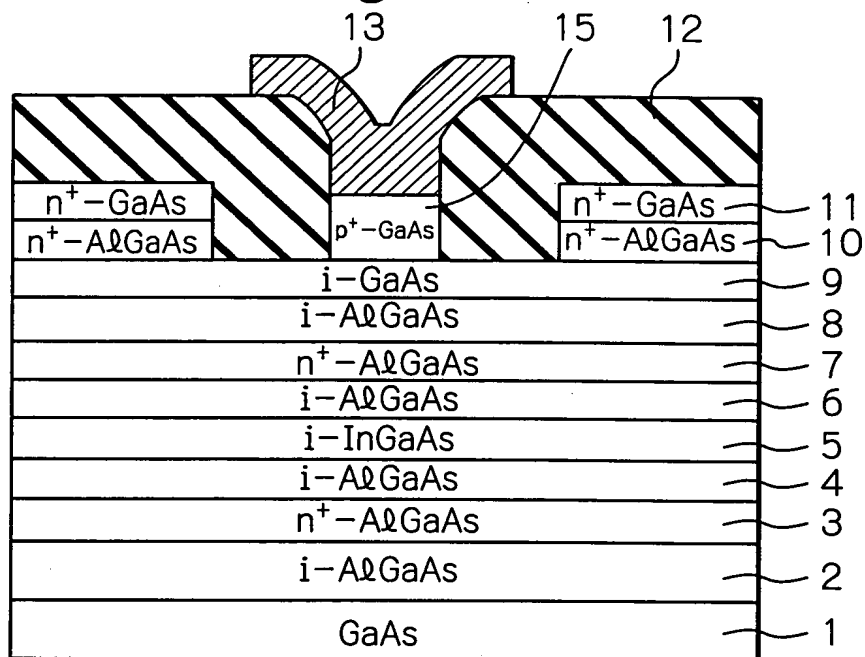


Fig. 5H

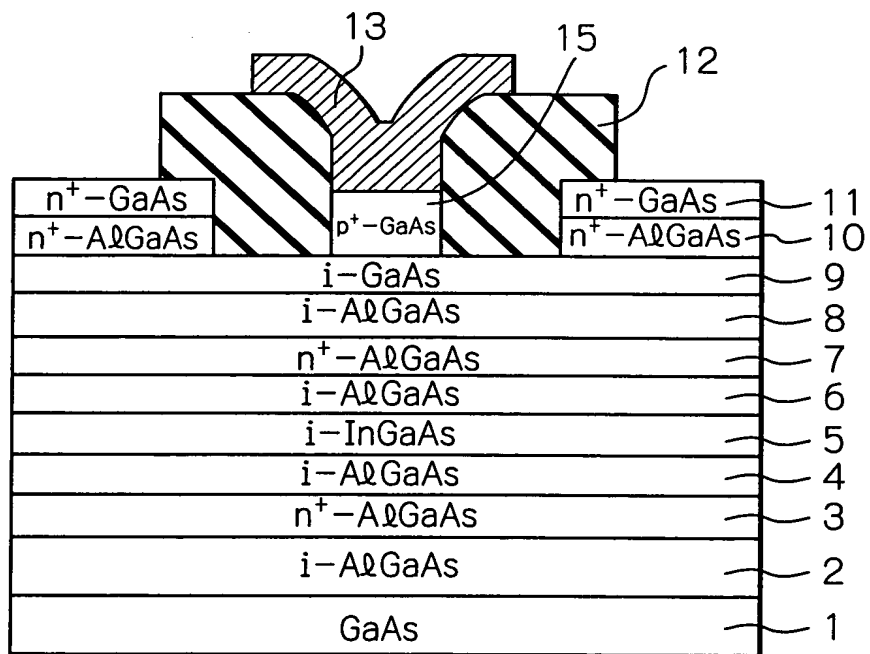
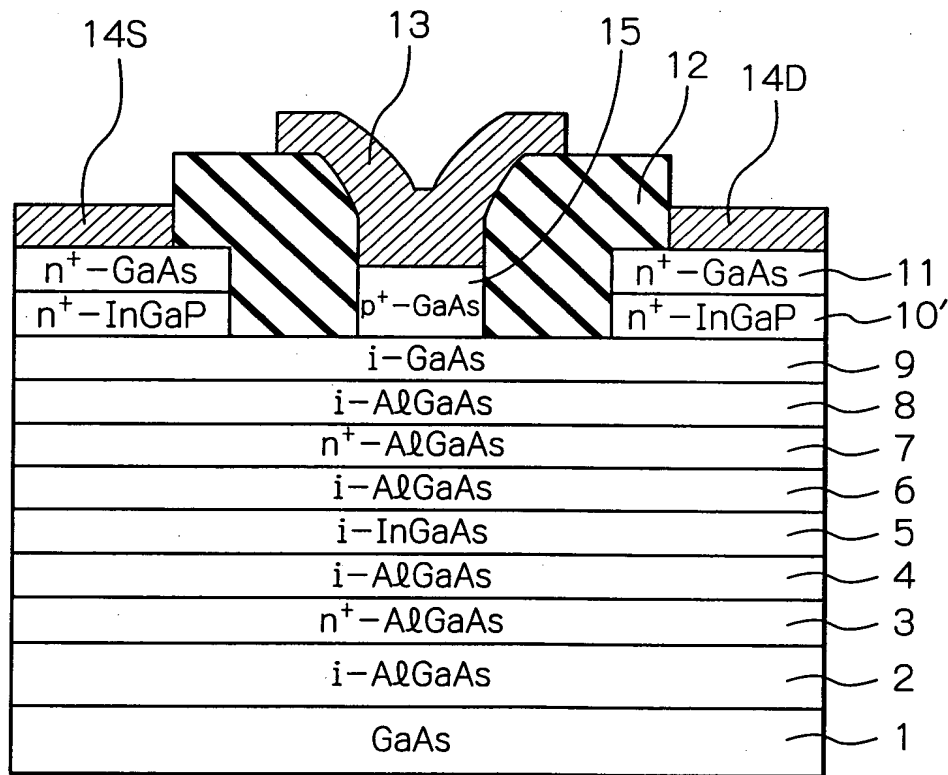


Fig. 6



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Fig. 7

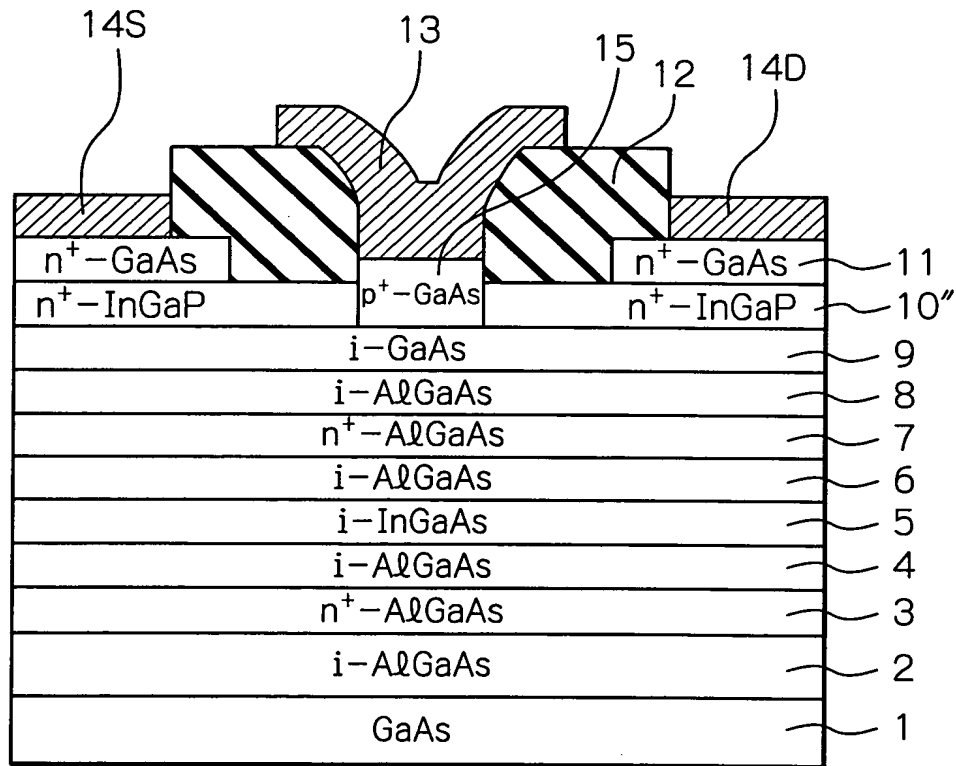
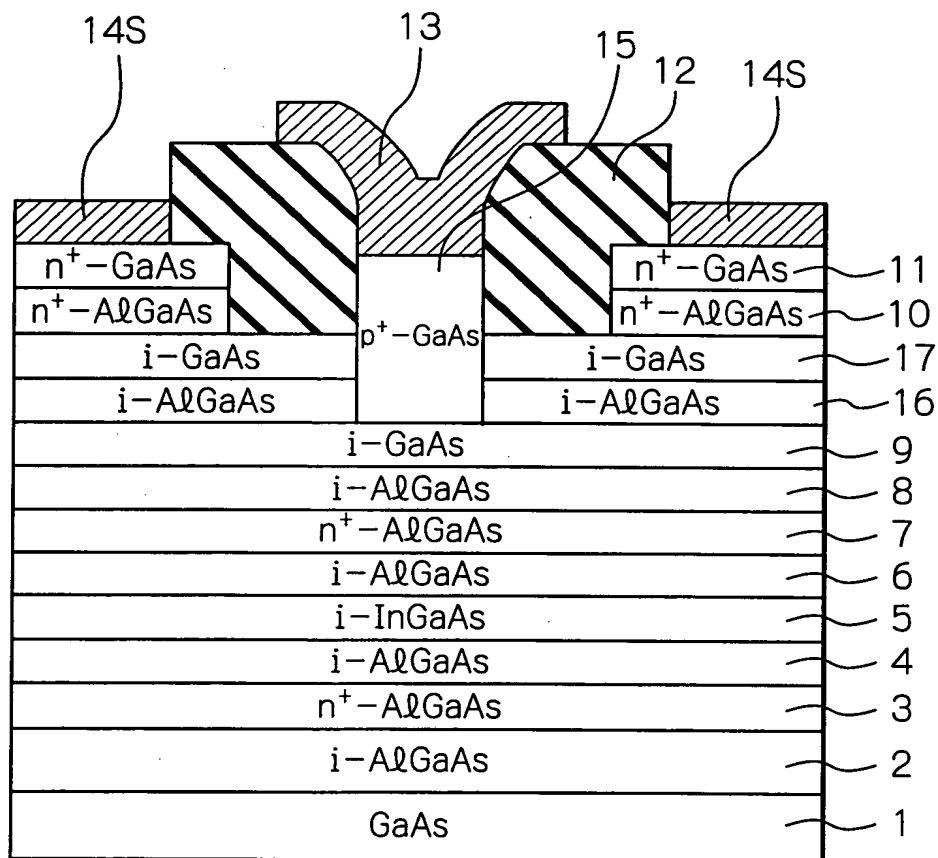
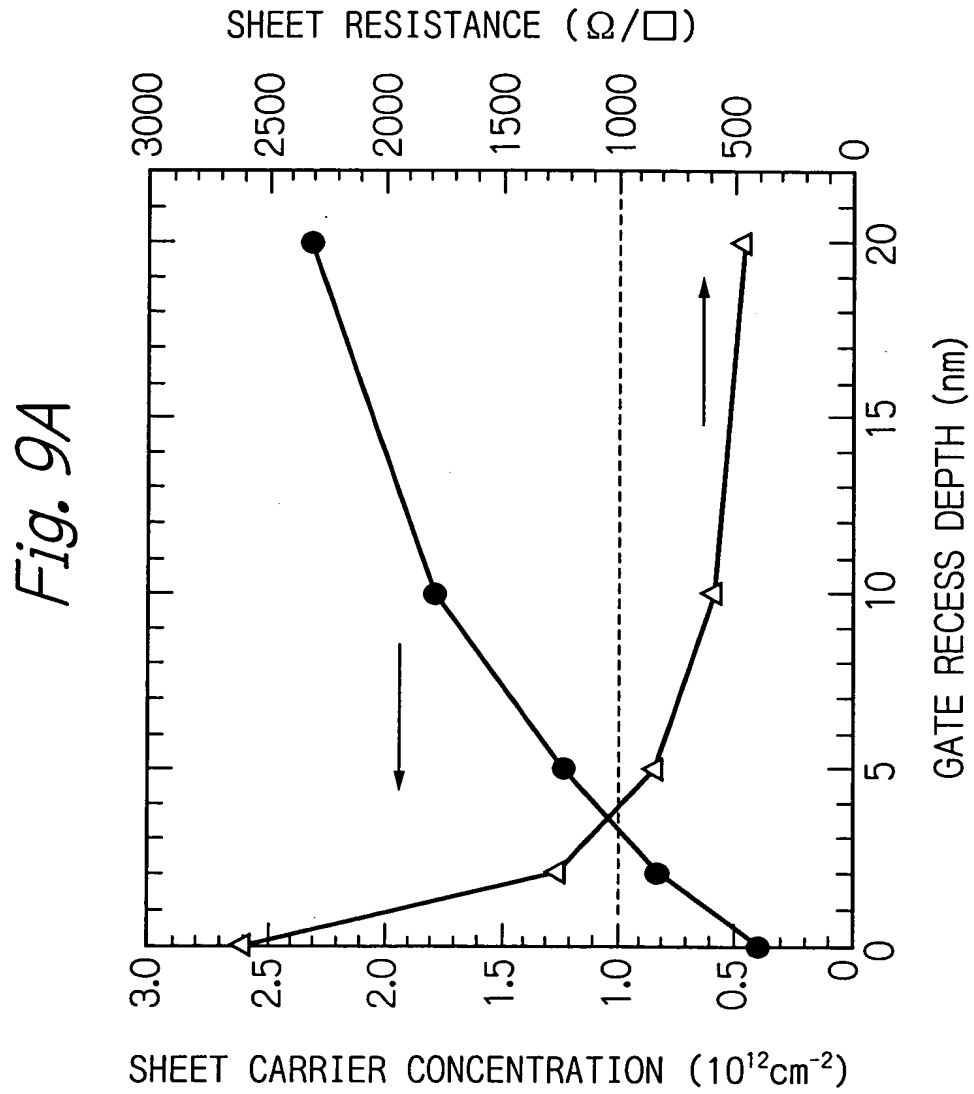


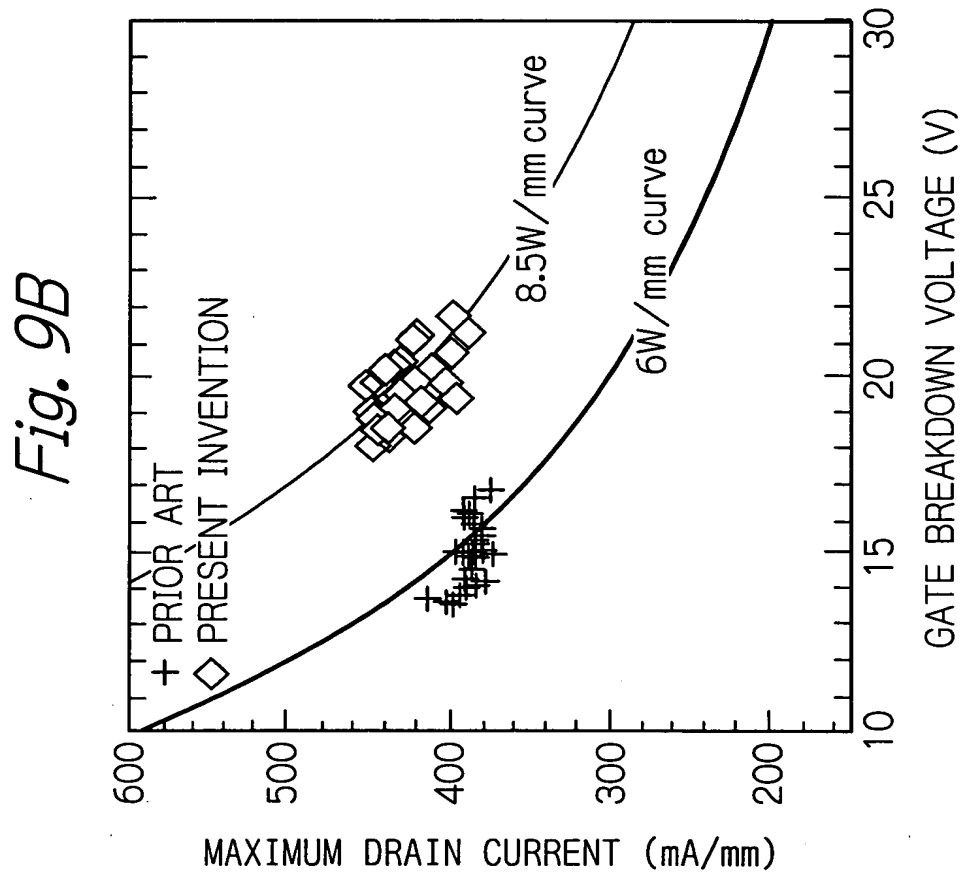
Fig. 8



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Fig. 10A

| | |
|------------------------|----|
| n ⁺ -GaAs | 11 |
| n ⁺ -AlGaAs | 10 |
| i-GaAs | 17 |
| i-AlGaAs | 16 |
| i-GaAs | 9 |
| i-AlGaAs | 8 |
| n ⁺ -AlGaAs | 7 |
| i-AlGaAs | 6 |
| i-InGaAs | 5 |
| i-AlGaAs | 4 |
| n ⁺ -AlGaAs | 3 |
| i-AlGaAs | 2 |
| GaAs | 1 |

Fig. 10B

| | |
|------------------------|----|
| 11a | |
| n ⁺ -GaAs | 21 |
| n ⁺ -AlGaAs | 11 |
| i-GaAs | 10 |
| i-AlGaAs | 17 |
| i-GaAs | 16 |
| i-AlGaAs | 9 |
| i-AlGaAs | 8 |
| n ⁺ -AlGaAs | 7 |
| i-AlGaAs | 6 |
| i-InGaAs | 5 |
| i-AlGaAs | 4 |
| n ⁺ -AlGaAs | 3 |
| i-AlGaAs | 2 |
| GaAs | 1 |

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Fig. 10C

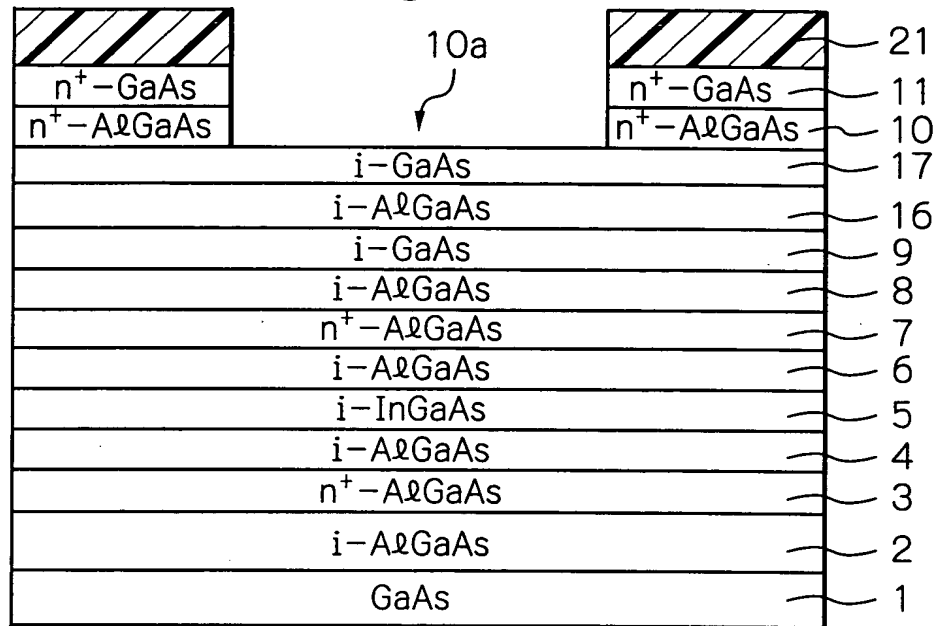
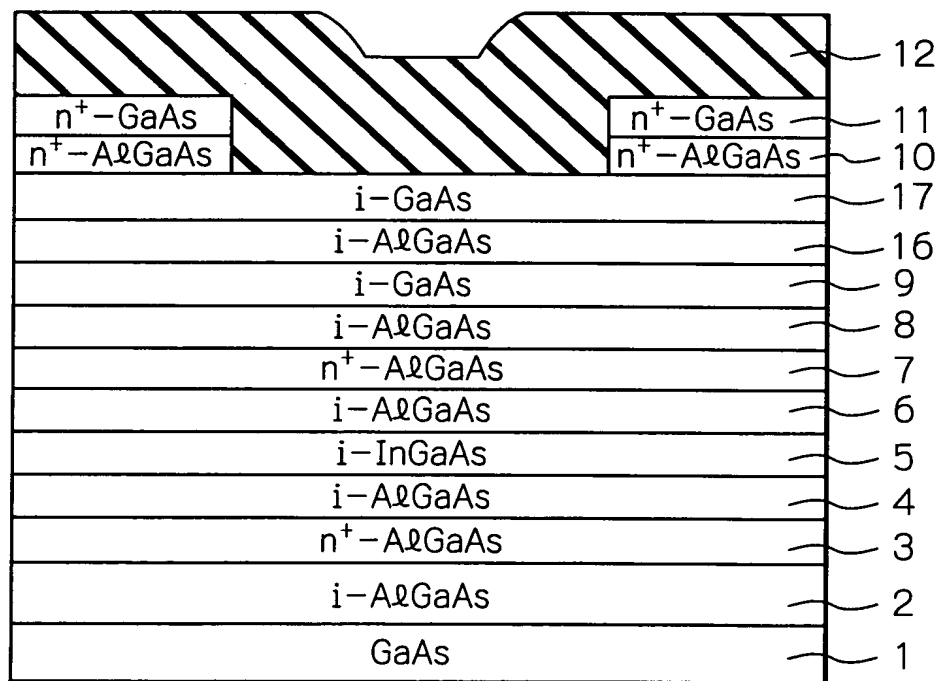


Fig. 10D



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Fig. 10E

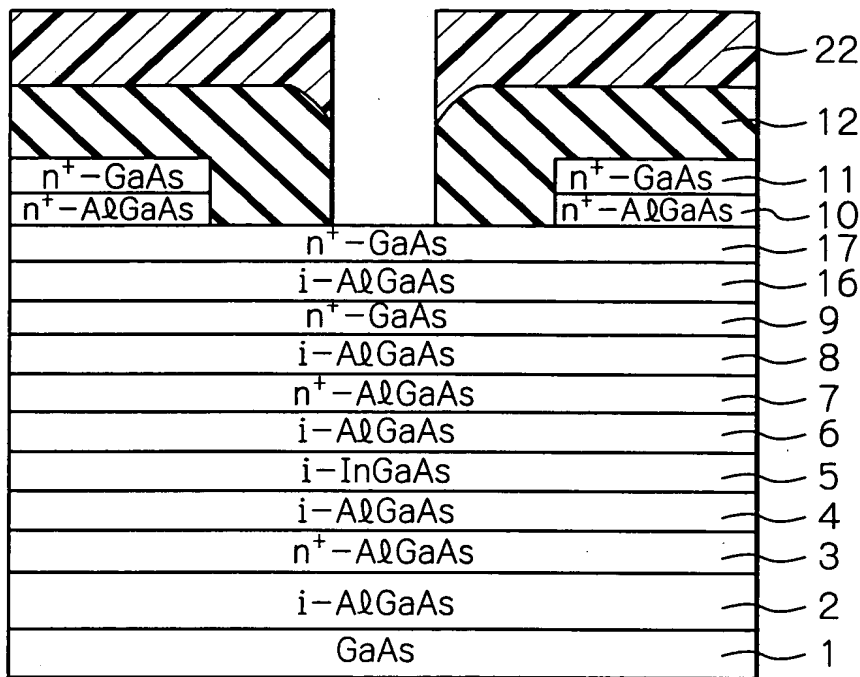
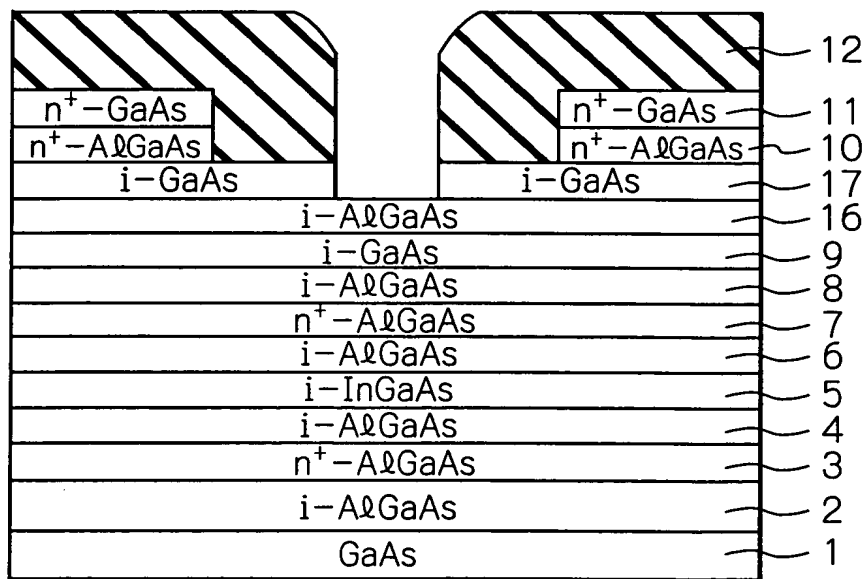


Fig. 10F



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Fig. 10G

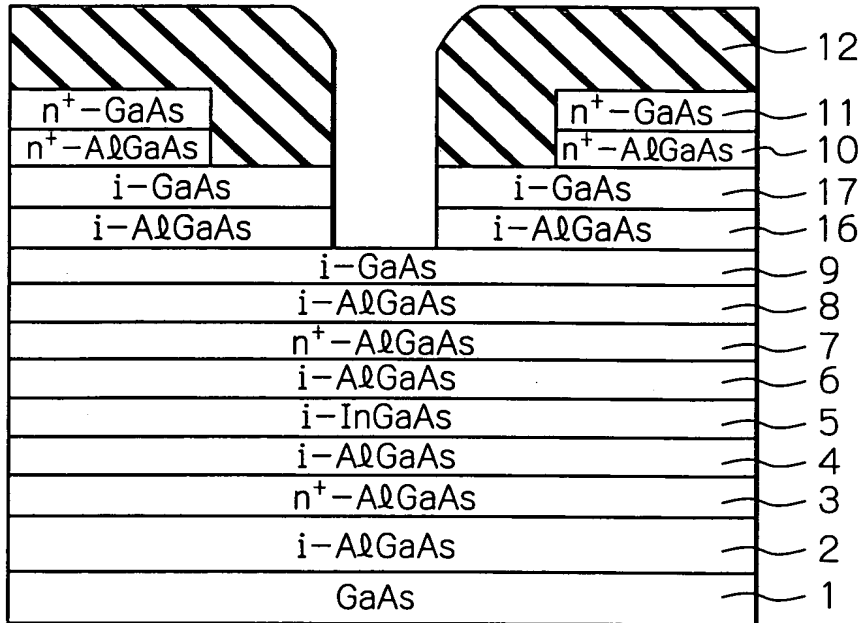
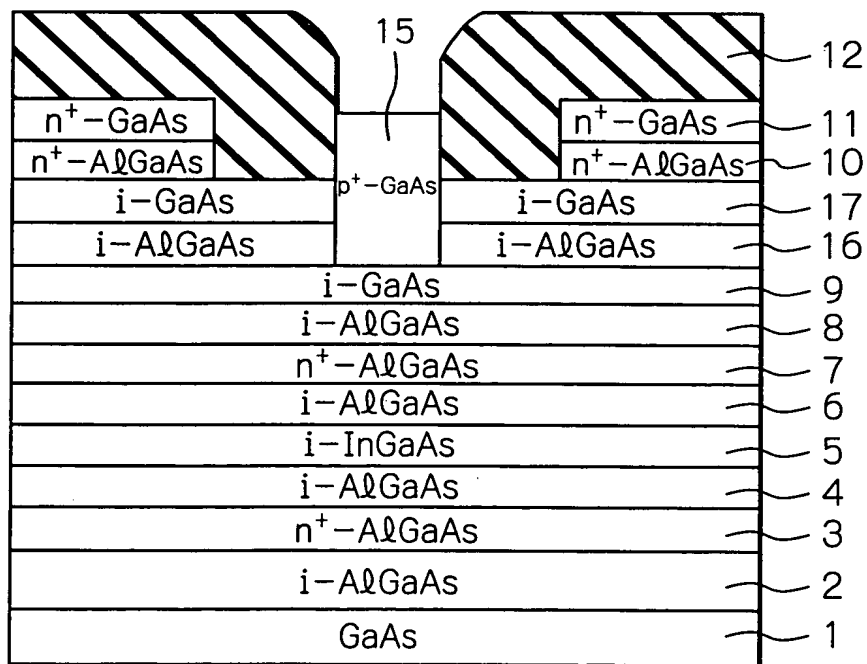


Fig. 10H



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Fig. 10I

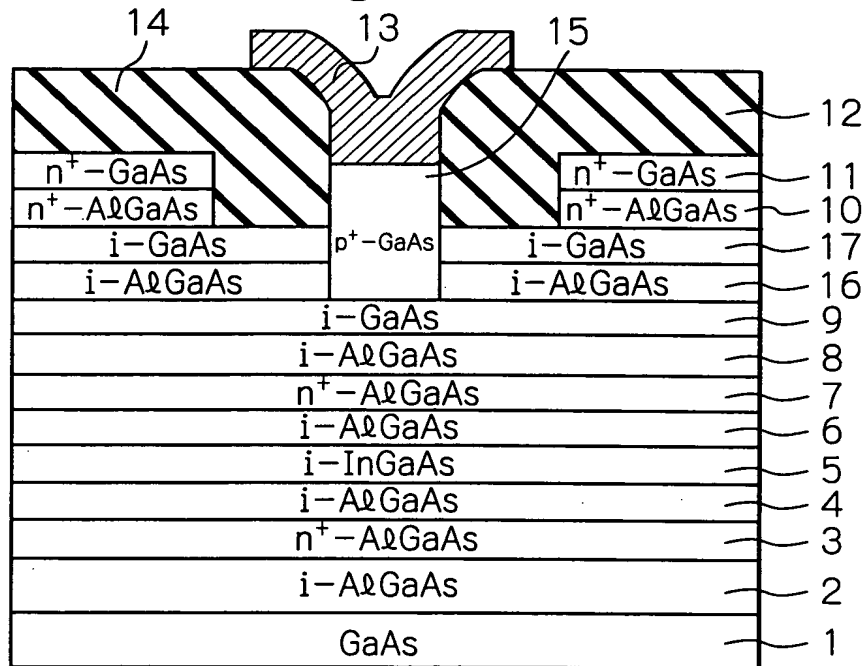
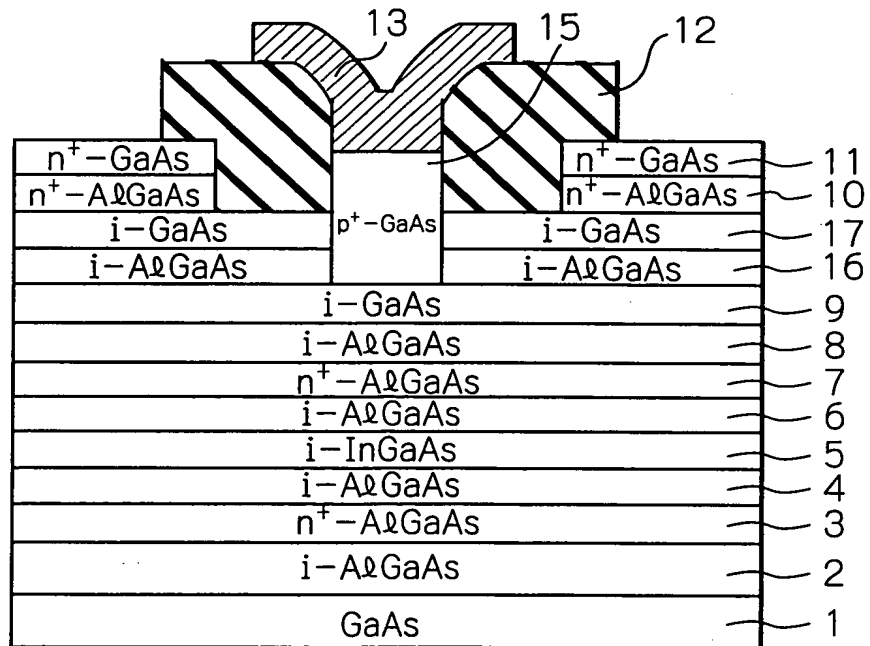
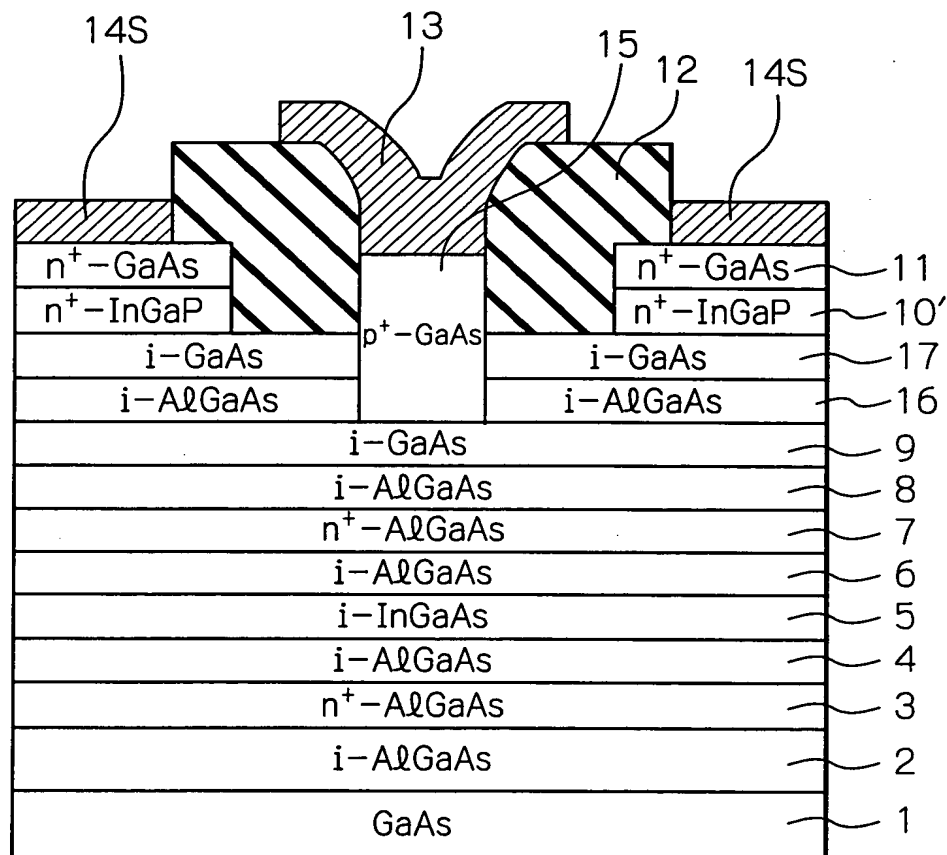


Fig. 10J



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Fig. 11



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Fig. 12

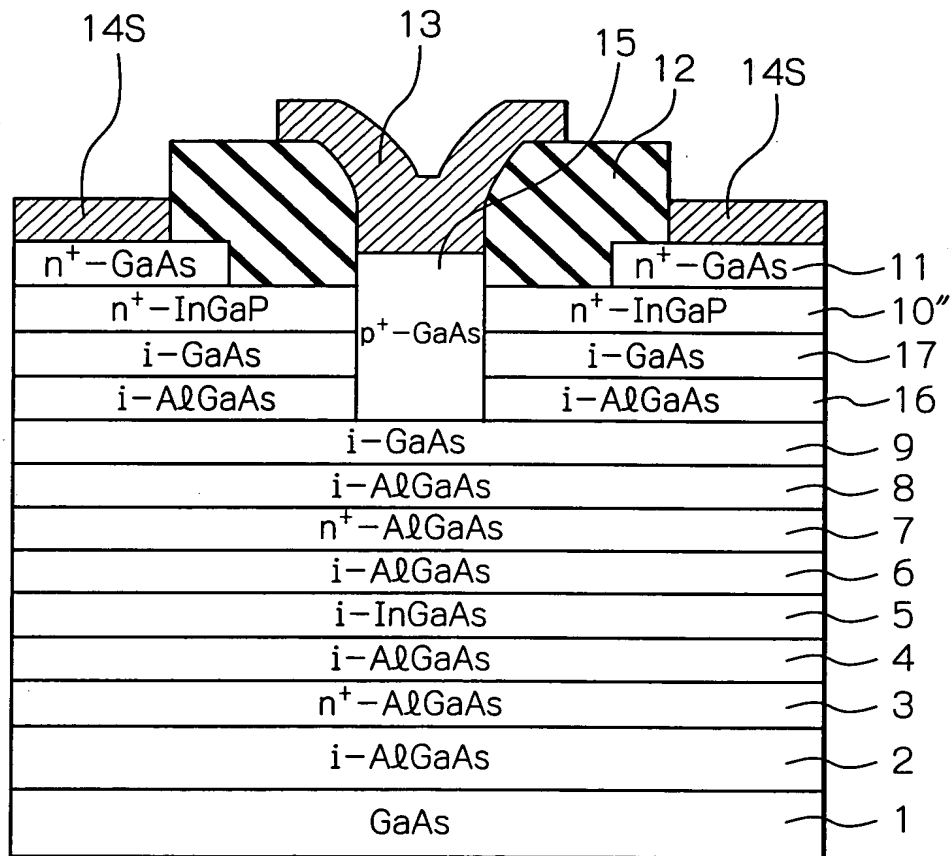


Fig. 13

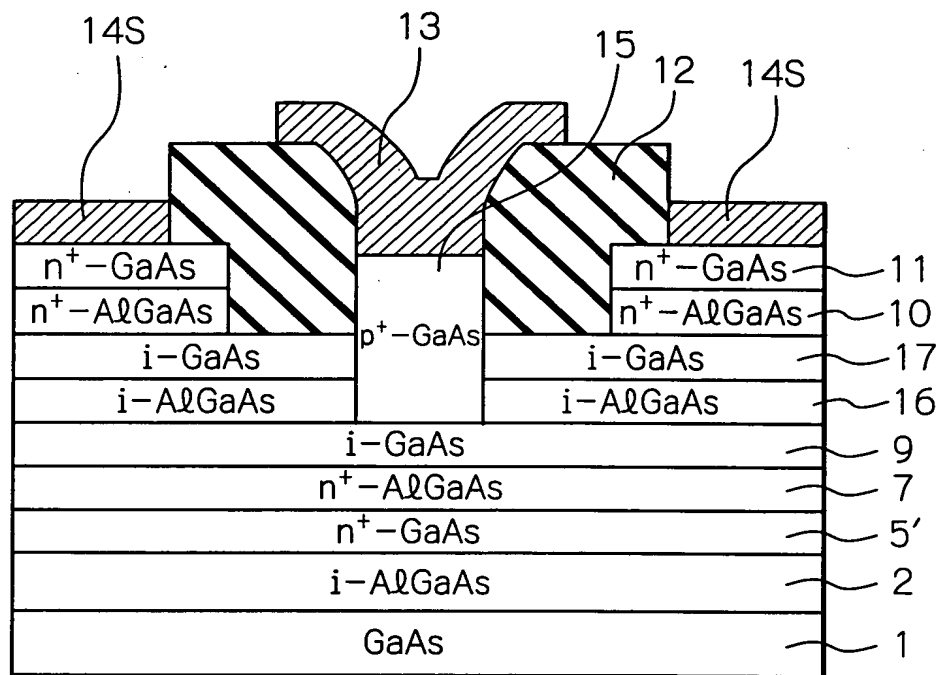
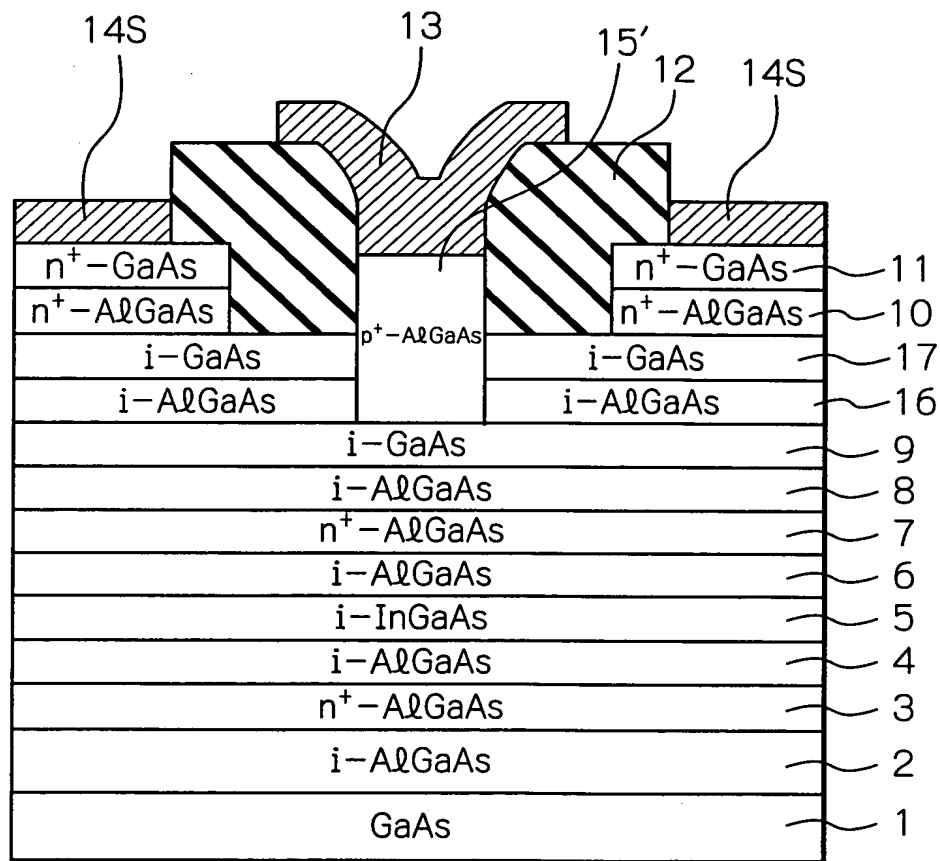


Fig. 14



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Fig. 15

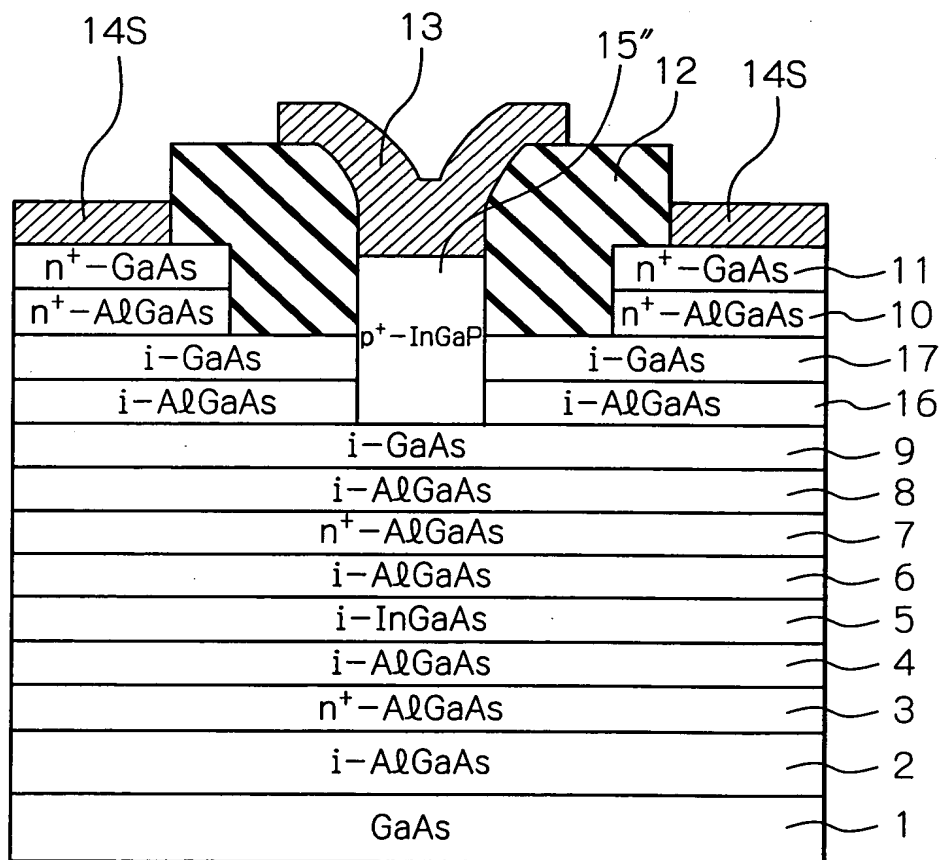


Fig. 16

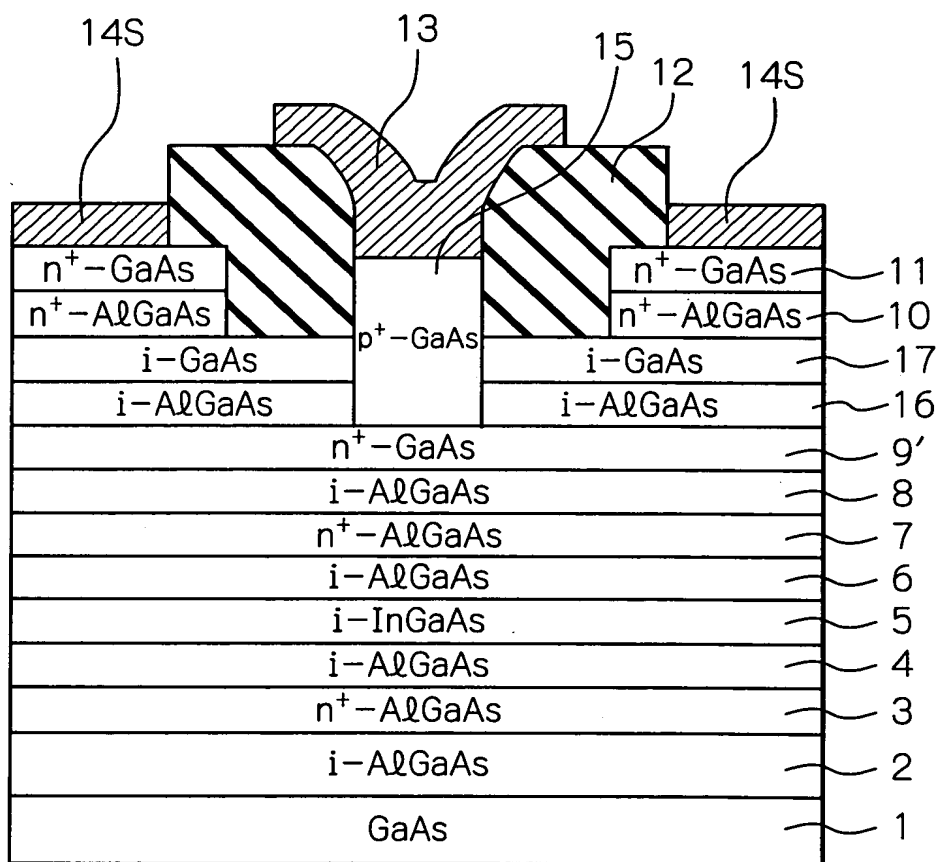
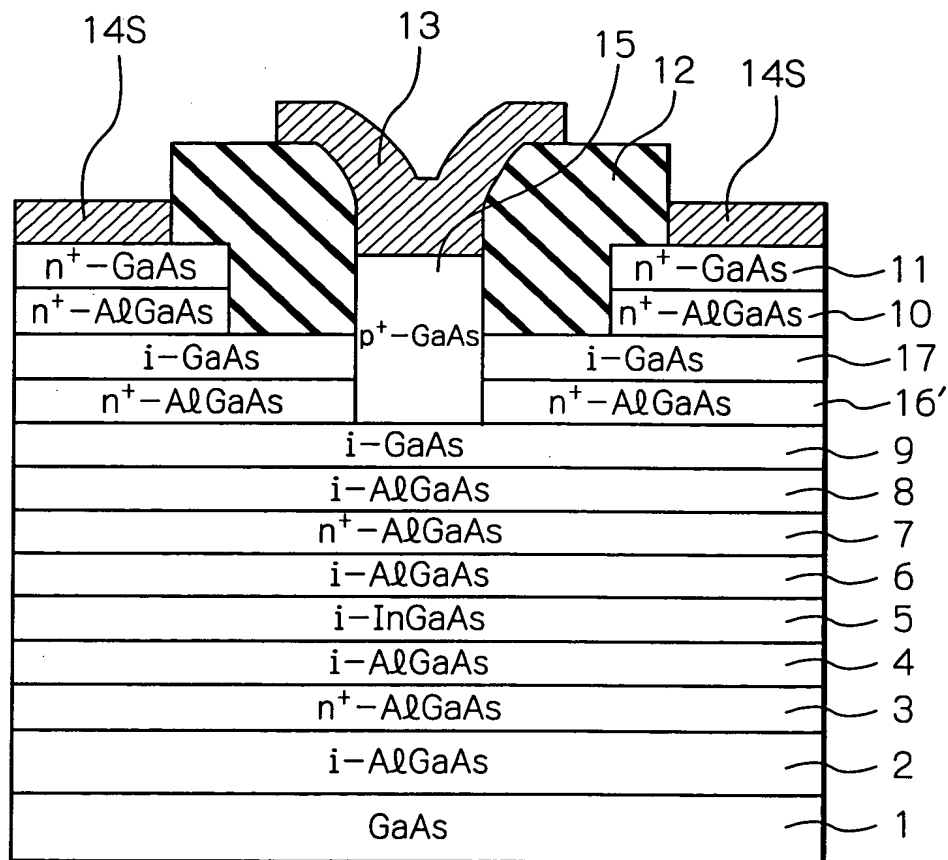


Fig. 17



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Fig. 18

